

Mr. Jim Alexander
U.S. Steel - Gary Works
1 North Broadway
Gary, Indiana 46402-3199

Re: Experimental Operation
EO No. 089-14649-00121

Dear Mr. Alexander:

On July 20, 2001, U.S. Steel, Gary, Indiana, submitted a letter informing the Office of Air Quality (OAQ) of the intention to perform an experimental operation on the #6 Blast Furnace.

Experimental Operation General Information

Unit:	Blast Furnace #6
Location of the Operation:	Gary, Indiana
County:	Lake
County Status:	Nonattainment
Purpose of the Operation:	Evaluation of the effects of oxygen enrichment on combustion air.
Starting Date of the Operation:	July 28, 2001 [326 IAC 2-1.1-3(g)(3)(F)]
Duration of the Operation:	28 days of actual operation
Testing parameters:	Fuel usage and total emissions

Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(g)(3), the above mentioned temporary operation and experimental trial shall satisfy the following requirements:

1. The potential emissions from the operation should be less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(g)(3)(A)]
2. The operation should not be a major source or modification as defined under 326 IAC 2-2, 326 IAC 2-3 or 326 IAC 2-7. [326 IAC 2-1.1-3(g)(3)(B)]
3. The purpose of the operation is to:
 - (a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention. [326 IAC 2-1.1-3(g)(3)(C)(i)]
 - (b) temporarily conduct an operation not considered as part of the normal operation or production of the source. [326 IAC 2-1.1-3(g)(3)(C)(ii)]

4. The experimental trial should not be part of the existing normal operation or production of the source. [326 IAC 2-1.1-3(g)(3)(C)(ii)]
5. The duration of the experimental operation should not exceed 30 days of actual operation. [326 IAC 2-1.1-3(g)(3)(D)]
6. The source shall submit a report containing the following information, seven (7) days after the conclusion of the experimental operation: [326 IAC 2-1.1-3(g)(3)(G)]
 - (a) The actual dates of the construction and operation.
 - (b) The duration of the operation.
 - (c) The actual emissions occurring during the operation.

7. The report shall be submitted to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
P. O. Box 6015
Indianapolis, Indiana 46206-6015

Experimental Trial Expiration Date

This approval expires after 30 days of actual operating time of the experimental operation.

If you have any questions regarding this approval, please contact Richard Billings at Eastern Research Group, Inc. (919) 468-7812.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

RB

Enclosure: Experimental Trial Operation Report (1 page)

cc: File - Lake County
Lake County Health Department
Air Compliance Section - Rick Massoels
Northwest Regional Office
Compliance Data Section - Karen Nowak
Permit Filing - Cynthia Bymaster

**Indiana Department of Environmental Management
Office of Air Management
Permit Branch**

Experimental Trial Operation Report

Source Name: U.S. Steel - Gary Works
Source Location: Gary, Indiana
County: Lake
EO No.: 089-14649-00121
Approval Reviewer: ERG/RB

Milestone Schedule	
Type of unit/operation:	
Actual starting date of the construction:	
Actual ending date of the construction:	
Actual starting date of the operation:	
Actual ending date of the operation:	
Actual number of days of the operation:	
Calculated emissions during the duration of the operation:	
Additional Comments:	

I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

cc: Air Compliance Section - Bob Simmons